



**MONTGOMERY COUNTY FIRE AND RESCUE SERVICE
DRIVER/OPERATOR TRAINING PROGRAM**

Practical Application Guide Sheet

Off-Road Vehicle: Load pulling with Winch

Candidate Name: _____

Candidate Performance Competency: The driver candidate shall utilize a single line and a double line pull to move a static load using the vehicle winch.

Task	Value	Score
1. Position vehicle for optimal in-line pull, place transmission in neutral, and apply parking brake. Identify if a change of direction will be necessary. (CFP)	1	
2. Chock front wheels.	1	
3. Candidate will identify the rated capacity of vehicle winch, estimate weight of load, and indicate if load can be safely winched.	3	
4. Candidate will identify the cable length. Candidate will explain the effects on capacity and precautions as they relate to wraps on the drum.	2	
5. Candidate will identify all operational components of the winch, including the clutch lever and controller.		
6. Candidate will identify all rigging hardware in the vehicle's inventory and its purpose associated with the winch.		
7. Using the winch manufacturer's recommended procedure (free wheel vs. power), deploy the winch cable to the load.	1	
8. Deploy the winch cable for a single line pull.	1	
9. If winch cable was powered out, remove hand from switch or disconnect winch control.	1	
10. Attach the cable to the load using proper attachments and/or rigging hardware. Ensure there are no twists in the cable and hardware is aligned for the pull.	1	
11. Place an object (coat, extra strap, tarp, etc.) over the center point of the winch cable. (CFP)		
12. Candidate will identify a spotter and define their role.	2	
13. Candidate will establish a "no people zone".		
14. Candidate will ensure an adequate number of wraps remain on the winch drum prior to tensioning the cable. (CFP)		

Task	Value	Score
15. Engage the winch and place tension on the load. Ensure there are no twists in the cable and hardware is aligned for the pull.	1	
16. Operate winch control pulling load approximately 5 feet. (CFP)	1	
17. Identify the need to stabilize the load and safely remove tension from the cable. (CFP)	1	
18. Disconnect the winch cable hook from the load.	1	
19. Candidate will explain the effects and characteristics of a double line pull.		
20. Position the cable for a double line pull following manufacturer recommendations for deploying the cable.	1	
21. Attach snatch block to the load anchor chain/strap and feed cable through snatch block.	1	
22. Attach winch cable hook to ATV frame.	1	
23. Connect winch remote control or use switch to remove slack from cable.	1	
24. Place object (coat, strap, etc.) on cable.	1	
25. Operate winch remote/switch and pull load approximately 10ft.	1	
26. Power out winch to create slack in the cable.	1	
27. Disconnect the winch cable from the load and wind the cable uniformly onto the winch drum.	1	
Total Points	29	

Critical Fail Points

Failure to successfully perform any of the following components will result in an automatic failure of this evolution regardless of total score.

- a) Failure to use proper PPE.**
- b) Failure to secure the winching vehicle prior to pulling tension.**
- c) Failure to ensure sufficient cable remains on the spool prior to pulling the load.**
- d) Failure to place a dampening object over the cable before pulling the load.**
- e) Failure to define and enforce a “no people Zone”.**
- f) Inability to complete the object.**
- g) Loss of control of the load or shocking loading the system**

Evaluator: Initial beside the final outcome of the exam below.

____ **PASS** ____ **FAIL – Overall Points** ____ **FAIL – Critical Failure Point**

Evaluator Name

Date

Evaluator Signature